```java
import java.util.Scanner;
public class Priority {
public static void main(String args[]) {
Scanner s = new Scanner(System.in);
int x,n,p[],pp[],bt[],w[],t[],i;
float awt,atat;
p = new int[10];
pp = new int[10];
bt = new int[10];
w = new int[10];
t = new int[10];
//n is number of process
//p is process
//pp is process priority
//bt is process burst time
//w is wait time
// t is turnaround time
//awt is average waiting time
//atat is average turnaround time
System.out.print("Enter the number of process : ");
n = s.nextInt();
System.out.print("\n\t Enter burst time : time priorities \n");
for(i=0;i<n;i++)
{
System.out.print("\nProcess["+(i+1)+"]:");
bt[i] = s.nextInt();
pp[i] = s.nextInt();p[i]=i+1;
}
//sorting on the basis of priority
for(i=0;i<n-1;i++)
{
for(int j=i+1;j<n;j++)
{
if(pp[i]<pp[j])
{
x=pp[i];
pp[i]=pp[j];
pp[j]=x;
x=bt[i];
bt[i]=bt[j];
bt[j]=x;
x=p[i];
p[i]=p[j];
p[j]=x;
}
```

```java
}
}
w[0]=0;
awt=0;
t[0]=bt[0];
atat=t[0];
for(i=1;i<n;i++)
{
w[i]=t[i-1];
awt+=w[i];
t[i]=w[i]+bt[i];
atat+=t[i];
}//Displaying the process
System.out.print("\n\nProcess \t Burst Time \t Wait Time \t Turn Around Time Priority \n");
for(i=0;i<n;i++)
System.out.print("\n "+p[i]+"\t\t "+bt[i]+"\t\t "+w[i]+"\t\t"+t[i]+"\t\t "+pp[i]+"\n");
awt/=n;
atat/=n;
System.out.print("\n Average Wait Time : "+awt);
System.out.print("\n Average Turn Around Time : "+atat);
}
}
```